1	SONAR COUNTER-MEASURES	44	Comb filters
2	TRANSPONDERS	45	Adaptive filters
3	.Sonobuoys and sonobuoy systems	46	Inverse filters
4	With component activating or	47	Amplitude
	deployment means	48	Phase
5	With plurality of sonobuoys	49	Frequency
6	.With plurality of transponders	50	Timing correction
7	ACOUSTIC IMAGE CONVERSION	51	Dynamic timing correction
8	.Acoustic holography	52	Normal moveout
9	Seismic display	53	For dip
10	Liquid or deformable surface	54	For weathering layer
10	holography	55	Timing mark generation
11	.With memory means	56	Particular source-receiver
12	BEAM STABILIZATION OR		array
12	COMPENSATION	57	Vertical receiver or source
13	TESTING, MONITORING, OR		array
13	CALIBRATING	58	By receiver pattern
14	SEISMIC PROSPECTING		arrangement
15	.Offshore prospecting	59	Compositing system
16		60	Special digital system
17	Transducer position control	61	Beam steering
	HydromechanicalFluid variation	62	Array weighting
18		63	With preliminary signal
19	Transducer cable location	03	processing
20	determination	64	Optical processing
20	Multiple hydrophone cable	65	Gain control
0.1	systems	66	Analog/digital compatible
21	Signal processing	00	systems
22	Transducer output weighting	67	Digital
23	Controlled source signalling	68	Display systems
24	Reverberation removal	69	Well logging type
25	.Well logging	70	Color
26	Threshold set system	71	CRT
27	Time interval measurement	72	3-D
28	Amplitude measurement	73	
29	Peak amplitude	13	Synthetic seismograms and models
30	Amplitude comparison	74	Format conversion
31	Of noncompressional acoustic	7 <del>4</del> 75	
	wave energy		Shear wave
32	Frequency dependent	76	Telemetry
	determination	77	Radio wave
33	Depth recording or control	78	Multiplex
34	Received signal cycle	79	Time
	discrimination	80	Frequency
35	Borehole or casing condition	81	WELLBORE TELEMETERING
36	.Land-refraction type	82	.Through drill string or casing
37	.Land-reflection type	83	.Through well fluids
38	Signal analysis and/or	84	Rotary valve control
	correction	85	Linear valve control
39	Random signal correlation	86	BOREHOLE TESTING
40	Received correlation	87	ECHO SYSTEMS
41	Transmitted correlation	88	.Side scanning or contour mapping
42	Standard correlation		sonar systems
43	Filters	89	.Speed determination

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90	By doppler effect	126	Addition or subtraction
91	Vehicle mounted system for determining vehicle speed	127	.With time interval measuring means
92	.Parametric sonar	128	.With electromagnetic wave
93	.Presence or movement only	129	.With plurality of transducers
93	detection	130	
0.4	***************************************		.With towing
94	By doppler effect	131	UNDERWATER SYSTEM
95	.Returned signal used for control	132	.Analog speech communication
96	External device	133	.Remote control
97	Receiver system	134	.Telemetering
98	Automatic gain or threshold	135	RECEIVER CIRCUITRY
	control	136	.Responsive to intruder energy
99	.Distance or direction finding	137	TRANSMITTER SYSTEMS
100	With correlation or matched	138	.With beam forming, shaping,
	filtering		steering, or scanning
101	Frequency modulation	139	.Animal control
102	Linear modulation (e.g.,	140	SIGNAL TRANSDUCERS
	sawtooth)	141	.Underwater type
103	With beam steering, scanning,	142	Exclusive-type transmitter
	or focussing	143	Hydraulically driven vibrator
104	By transducer movement	144	Air guns
105	Transducer switching or gating	145	Explosives
106	With towing	146	Implosion devices
107	With indicator	147	Spark discharge devices
108	Digital readout	148	Electrically driven underwater
109	Rotating lamp		bells or sirens
110	Color display	149	Exclusive-type receiver
111	Luminous array	150	With modifying lens
112	Alarm	151	With reflector
113	Cathode-ray tube	152	With impedance matching means
114	Meter	153	Plural transducer array
115	Permanent record	154	Line array
116	Audible or tactile	155	Piezoelectric
117	PLURAL TRANSMITTERS TO RECEIVER	156	Magnetostrictive
	OR TRANSMITTER TO PLURAL	157	Piezoelectric
	RECEIVERS	158	Head and tail mass
197	SELECTIVE (E.G., REMOTE CONTROL)	159	Elongated cylindrical element
198	.Humanly generated sound or	160	Bending type
	speech responsive (e.g., human	161	Multimorph
	whistle)	162	With resonant or damping
199	.Frequency responsive actuation	102	structure
118	DISTANCE OR DIRECTION FINDING	163	
119	.With beam steering, scanning, or	164	With diaphragmSingle element having a
	focussing	104	plurality of electrodes
120	By transducer movement	165	Specific support structure
121	By electrical means	166	Liquid filled
122	Transducer switching or gating	167	Pressure compensating means
123	With phase shifter or delay	168	
	means	168	Magnetostrictive
124	.By combining or comparing		Elongated continuous type
-	signals	170 171	Electret
125	Phase comparison and/or	171	Liquid filled transducer
	correlation	1/2	Transducer with pressure
			compensating means

173	Transducer with support		
174	Transducer with diaphragm		
175	Diaphragm with electric		
	driving coil		
176	Transducer with resonant or		
	damping structure		
177	.Towed land cables		
178	.Receivers		
179	Pendulum type		
180	Piezoelectric		
181	Capacitive		
182	Moving coil		
183	Spider spring		
184	Having arcuate movement		
185	Moving magnet		
186	Having arcuate movement		
187	Spider spring		
188	Casing or housing		
189	.Vibrator-type transmitter		
190	With feedback control		
191	MISCELLANEOUS		

## CROSS-REFERENCE ART COLLECTIONS

900	SONAR TIME VARIED GAIN CONTROL
	SYSTEMS
901	NOISE OR UNWANTED SIGNAL
	REDUCTION IN NONSEISMIC
	RECEIVING SYSTEM
902	SPEED OF SOUND COMPENSATION
903	TRANSMIT-RECEIVE CIRCUITRY
904	DOPPLER COMPENSATION SYSTEMS
905	SIDE LOBE REDUCTION OR SHADING
906	AIRBORNE SHOCK-WAVE DETECTION
907	COORDINATE DETERMINATION
908	MATERIAL LEVEL DETECTION, E.G.,
	LIQUID LEVEL
909	COLLISION AVOIDANCE
910	PORTABLE SONAR DEVICES
911	PARTICULAR WELL-LOGGING APPARATUS
912	.Particular transducer

## FOREIGN ART COLLECTIONS

FOR CLASS-RELATED FOREIGN DOCUMENTS

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